



Institute for Computing in  
Humanities, Arts, and Social Science

*High Performance Computing in the Humanities, Arts, and Social Science Workshop*

*Monday July 28, 2008 – Saturday August 2, 2008*

To register for the complete week of events, please contact: [mgree2@illinois.edu](mailto:mgree2@illinois.edu). To join us for individual events, please stop at our lobby registration table the day of the event.

Our moderators for the events are Douglas Kibbee, Director, School of Literatures, Cultures and Linguistics and M. Scott Poole, Professor, Department of Speech Communications at the University of Illinois at Urbana-Champaign.

SUNDAY July 27, 2008: Participants Arrive

MONDAY July 28, 2008: Text Analytics and the Humanities, Art, and Social Sciences

All events are held in room 1040 NCSA, 1205 W. Clark Street

**8:30-9 am:** Welcome and Introduction by Vernon Burton of the Institute for Computing in the Humanities, Arts, and Social Science

**9:00-10:15 am:** Introduction to Humanities, Arts, and Social Science High Performance Computing

Thom Dunning of the National Center for Super Computing Applications (NCSA)

Vernon Burton of the Institute for Computing in the Humanities, Arts, and Social Science

Mike Ross of the Krannert Center for Performing Arts

**10:15-10:30 am** break

**10:30 am-11:30 am:** Introduction to Text Analytics

Loretta Auvil of Software Environment for the Advancement of Scholarly Research (SEASR) and NCSA

**11:30-1:00 pm:** lunch (registered participants only)

**1:00-2:15 pm:** Working with SEASR Application

Loretta Auvil of SEASR and NCSA

**2:15-3 pm:** Scholarly Group for the Globalization of the Middle Ages—Humanities-SEASR Application:

Susan Noakes of the University of Minnesota Department of French and Italian

**3-3:30 pm:** break

**3:30- 5:00 pm:** Lab on SEASR Application

Loretta Auvil of SEASR and NCSA

**5:30 pm** dinner (registered participants only)

TUESDAY July 29, 2008: Image Analytics and the Humanities, Arts, and Social Sciences

**9:00-10:00 am:** Introduction to Image Analytics

Wayne Pitard of the University of Illinois Department of Religion and the Inscriptifacts Project

Marilyn Lundberg of the University of Southern California West Semitic Research Project

Michael Meredith of the University of Sheffield (UK) Humanities Research Institute

**10:00-10:30 am** break

**10:30 am-11:30 am:** Image Analytics Technologies and Their Applications to Humanities, Arts and Social Sciences

Peter Bajcsy of I-CHASS and NCSA

**11:30-12:00 pm** Tele-immersive environments - demo at NCSA

Rahul Malik, Suk Kyu Lee, Hyu Jung Na and Peter Bajcsy of NCSA

**12-1:00 pm** lunch (registered participants only)

**1:00-1:35 pm:** Delivering Lincoln Papers to Researchers and General Public - introduction & demo using Internet connection

Michal Ondrejcek and Peter Bajcsy of NCSA

**1:35-1:45 pm:** break

**1:45pm - 2:20pm** Introduction to automation of image analytics and community collaborations using Cyberintegrator

Peter Bajcsy of I-CHASS and NCSA

**2:20-2:30 pm:** break

**2:30 - 3:30pm** Hands-on experience with Cyberintegrator - lab session using lab computers

Luigi Marini and Peter Bajcsy of NCSA

**3:30-3:40 pm:** break

**3:40-4:30 pm** Hands-on experience with Spatial Pattern To Learn (SP2Learn) to extract knowledge from maps - lab session using lab computers

Peter Bajcsy and Alex Yahja of NCSA

**4:30-5:00 pm** group discussion

**5:30 pm** Barbeque

At the home of Vernon Burton (605 W. Washington, Urbana 61801)

WEDNESDAY July 30, 2008: Image Analytics II

**9 -10 am:** Lab on Virtual Vellum

Michael Meredith of the University of Sheffield (UK) Humanities Research Institute

**10-10:30 am** break

**10:30 am-11:15 pm:** Augmented Reality

Alan Craig of I-CHASS and NCSA

**Noon-1:15 pm:** lunch (registered participants only)

**Afternoon Activities: Tour activities meet in NCSA lobby**

1:30 pm

Tour on the Existing Supercomputer Facilities

Trish Barker of NCSA

machine room on Springfield

2 tours (1:30 and 2:30 pm)

2 pm

Virtual Reality Cave Tour

Alan Craig of I-CHASS and NCSA

(2100 S. Goodwin)

2:30 pm

IACAT Lab Tours

Guy Garnett of the University of Illinois Department of Computer Science

3 pm

Digital Arts Tour

Damon Baker of the Krannert Art Museum

5:30 pm: dinner on your own

THURSDAY July 31: Image Analytics and the Humanities, Arts, and Social Sciences

**8:30-9:30 am:** Introduction to Visual Representations of Data

Shaowen Wang of the University of Illinois Department of Geography

**9:30-9:45 am** break

**9:45-11:15 am:** Introduction and Working with Image Analytics: "GIS Tools: From Desktop and Internet to

Cyberinfrastructure"

Shaowen Wang of the University of Illinois Department of Geography

**11:15-noon:** Speaker on Visual Representations of Data

Donna Cox of the National Center for Supercomputing Applications

**Noon-1:30 pm** lunch (registered participants only)

**1:30-3:00 pm:** Lab with GIS tools

Shaowen Wang of the University of Illinois Department of Geography

**3:00-3:15 pm** break

**3:15-5:00 pm:** Social Networking Applications

Alex Yahja of I-CHASS and NCSA

**5:30 pm** dinner (registered participants only)

FRIDAY August 1, 2008: Image and Text Analytics and the Humanities, Arts, and Social Sciences

**8:30-9:30 am:** Introduction to Visualization and Virtual Environments for Humanities, Arts, and Social Science

Alan Craig of the Institute for Computing in Humanities, Arts, and Social Science and NCSA

Michelle Roper of the Federation of American Scientists

**9:30-9:45 am** break

**9:45-10:30 am** Education in the Humanities, Arts, and Social Science

Sharon Tettegah of the University of Illinois Department of Curriculum and Instruction

**10:30 am-noon:** roundtable discussion

**Noon-1:00 pm** lunch (registered participants only)

**1 pm-3:00 pm:** Individual Project Office Hours

**5:30 pm** dinner on your own

SATURDAY August 2, 2008:

**9:00 am-11 am:** Closing Discussions

Vernon Burton of the Institute for Computing in Humanities, Arts, and Social Science

The workshop is sponsored by the Institute for Computing in Humanities, Arts, and Social Science, the National Center for Supercomputing Applications, the Illinois Informatics Initiative (I<sup>3</sup>), the Office of the Vice Chancellor for Research, the Cybereducation Group, Image Spatial Data Analysis Group, and Software Environment for the Advancement of Scholarly Research Group at NCSA, and the Cyberinfrastructure and Geospatial Information Laboratory at the University of Illinois at Urbana-Champaign.